

REMARKS

In response to the above-identified Office Action, Applicants amend the application and seek reconsideration thereof. In this response, Applicants amend Claims 1-4 and add a new Claim 5. Applicants do not cancel any claims. Accordingly, Claims 1-5 are pending.

I. Claims Rejected Under 35 U.S.C. § 102

Claims 1-4 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,714,166 issued to Sasaki, et al. (“Sasaki”). Applicants respectfully traverse the rejection.

To anticipate a claim, the Examiner must show that a single reference teaches each of the elements of that claim. Among other elements, amended Claims 1 and 4 recites “a first horn antenna means … for radiating a signal based on an energy,” and “a second horn antenna means … for receiving the energy and reflecting the energy to thereby generate a reflected signal to be radiated from the first horn antenna means.” Applicants submit that Sasaki at least does not teach these elements.

Sasaki discloses a converter for receiving radio waves transmitted from two orbital satellites adjacent to each other (col. 9, lines 35-37). The converter converts left-handed and right-handed circularly polarized signals into vertically and horizontally polarized waves (col. 9, lines 56-61). The converter includes two feeders, each receiving signals from one of the satellites. The two feeders receive signals in a similar but independent manner (col. 10, lines 40-50, and col. 11, line 54-col. 12, line 14). The similarity and independence of the two feeders are illustrated by Fig. 17 in which the radiation patterns associated with the two feeders are symmetrical. The symmetrical radiation patterns show that the two feeders and their respective radiation portions (10, 14) operate symmetrically. In contrast to Sasaki’s teaching, the first and the second horn antenna means recited in Claims 1 and 4 do not operate symmetrically, as the first horn antenna means radiates a signal and the second horn antenna means generates a reflected signal to be radiated from the first antenna means. Thus, Sasaki does not teach each of the elements recited in Claims 1 and 4.

Further, Sasaki teaches that the converter secures isolation between the vertically polarized and the horizontally polarized waves by lowering the degree of reflection by a first and a second minutes radiation patterns (col. 11, lines 2-5). Sasaki also teaches weakening the reflection component of radio waves traveling through the first dielectric feeder (col. 10, lines 16-18), and similarly for radio waves traveling through the second dielectric feeder (col. 10, lines 40-50). Thus, Sasaki's teaching aims at removing signal reflection to secure signal isolation, which is contrary to the recited second horn antenna which generates a reflected signal to be radiated from the first horn antenna means.

Thus, Sasaki does not teach each of the elements of Claims 1 and 4. Accordingly, reconsideration and withdrawal of the anticipation rejection of Claims 1 and 4 are requested.

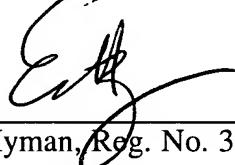
Claims 2-3 depend from Claim 1 and incorporate the limitations thereof. Thus, at least for the reasons mentioned above in regard to Claim 1, Sasaki does not anticipate these claims. Accordingly, reconsideration and withdrawal of the anticipation rejection of Claims 2-3 are respectfully requested.

CONCLUSION

In view of the foregoing, it is believed that all claims now are now in condition for allowance and such action is earnestly solicited at the earliest possible date. If there are any additional fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666. If the Examiner believes that a telephone conference would be useful in moving the application forward to allowance, the Examiner is encouraged to contact the undersigned at (310) 207 3800.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP



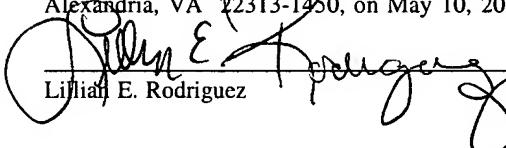
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 10, 2005.



Lillian E. Rodriguez

May 10, 2005

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